

Title (en)
Connector assembly

Title (de)
Steckverbinderaufbau

Title (fr)
Assemblage de connecteur

Publication
EP 0602726 B1 19980311 (EN)

Application
EP 93203458 A 19931209

Priority
NL 9202173 A 19921216

Abstract (en)
[origin: EP0602726A1] A connector assembly for interconnecting optical and/or electrical conductors comprises a first connector part (1) with a first guiding plate (3) with one or more guiding channels (4) for first conductors each terminated by a contact pad and a second connector part (2) to be coupled with the first connector part and having a second guiding plate (11) with one or more guiding channels provided in a corresponding manner for second conductors to be connected with the first conductors and each terminated by a contact pad. The guiding plates (3,11) comprise positioning means for mutually positioning the guiding plates in the coupled position of the connector parts in such a manner that corresponding contact pads of the first and second conductors are interconnected optically and electrically, respectively. These positioning means comprise cooperating straight reference surfaces (18,20) extending in x-direction and cooperating straight reference surfaces (17,13) extending in y-direction, all said reference surfaces being located at a predetermined location with respect to the guiding channels, wherein the second guiding plate is mounted moveably in x-, y- and z-directions in a housing and wherein means are provided for exerting forces for pressing the cooperating reference surfaces and the contact pads towards each other in the x-, y- and z-directions during coupling the connector parts. One connector part can be inserted into the other in the longitudinal direction of the guiding channels, wherein distance elements are adapted to keep the contact pads of the conductors at a distance from each other in z-direction during inserting of the connector part and to enable the movement of the contact pads towards each other in z-direction as soon as the cooperating reference surfaces are substantially abutting. <IMAGE>

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G02B 6/38; **H01R 23/66**; **H01R 23/68**

IPC 8 full level
G02B 6/26 (2006.01); **G02B 6/38** (2006.01); **H01R 12/50** (2011.01); **H01R 12/70** (2011.01); **H01R 12/71** (2011.01); **H01R 12/79** (2011.01); **H01R 13/639** (2006.01)

CPC (source: EP US)
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Citation (examination)
EP 0571037 A1 19931124 - FRAMATOME CONNECTORS INT [FR]

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